

SEQUENCE LISTING

SEQ 1: *Arabidopsis thaliana GAD1*

1 atgggtgcct cccacgcccgt atcggaggctg gacgtctccg tccactccac attcgcatca
61 cgttacgtcc gtacttcact tccttaggttc aagatgccgg aaaactcgat tcctaaggaa
121 gcggcgatc agatcatcaa cgacgagctg atgcttgacg ggaatccacg gttgaactta
181 gcctcccttg tgacgacatg gatggaggctt gagtgtgata aactcatcat gtcctccatc
241 aacaagaact atggtgacat ggacgagttc cccgtcacca ccgaacttca gaaccgatgt
301 gtgaacatga ttgcacatct attcaatgca ccgttagaaag aggccggagac cgccgtcgga
361 gtaggaaccg ttggatcatc ggaggccata atggtggccg gttggccctt caagcgtaaa
421 tggcagaaca agcgcaaaacg tgaaggccaa cccgtcgata aacccaacat tgcaccgg
481 gccaatgttc aagtgtgttggagaaattt gcttaggtact ttgaggttga acttaaggaa
541 gtgaaattga gtgaaggata ctatgtatg gaccctcaac aagctgttga tatggtttat
601 gagaacacca ttgtgttgc ggacattttt gttccactc ttaatggaga attcgaagat
661 gttaaactct tgaacgatct cttggcgaa aagaacaaag aaaccggatg ggatacacca
721 atccacgtgg atgcgcacaaatggaggattt attgcaccgt tttgtatcc ggaattggaa
781 tgggacttta gacccctt ggtgaagagt atcaatgtga gtggcacaa gtatggactt
841 gtgtacgcag ggatgggttggatgttggatctgg agaaacaaag aggatttgc tgaggaactc
901 atcttccata tcaattatct tggtgcgtac caacccaccc ttactctcaa tttctccaaa
961 gggttcaatgc tggatgttgc tcaataactac caacttaccc gattgggcca cgagggttac
1021 agaaatgttga tggaaatttgc tggatgttgc tcaataactac caacttaccc gattgggcca
1081 acagaaatgttcaacatcgatcttgc tggatgttgc tcaataactac caacttaccc gattgggcca
1141 aaagatagca gctgtcacac tggatgttgc tggatgttgc tcaataactac caacttaccc
1201 atagtgcggg cctacacaat gcctccaaat gcacaacaca tcaacttgc tggatgttgc
1261 atcagagaag atttctcgatcttgc tggatgttgc tcaataactac caacttaccc
1321 atgcgtgatcttgc tggatgttgc tggatgttgc tcaataactac caacttaccc
1381 aagagtgttcaacacgatcttgc tggatgttgc tggatgttgc tcaataactac caacttaccc
1441 cagagagata tggatgttgc tggatgttgc tggatgttgc tcaataactac caacttaccc
1501 atctgttcaatgc

SEQ2: *Arabidopsis thaliana GAD1*

MVLSHAVSESDSVHSTFASRYVRTSLPRFKMPENSIPKEAAYQIINDELMLDGPNRLNLASFVTTWME
PECDKLIMSSINKNYVDMDEYPVTTELQNRCVNMIHLFNAPLEEAETAVGVGTVGSSEAIMLAGLAFK
RKWQNKRKAEGKPVDKPNIVTGANVQCVWEKFARYFEVELKEVKLSEGYYVMDPQQAVDMVDENTICVA
DILGSTLNGEFEDVKLLNDLLVEKNKETGWDTPIHVDAASGGFIAPFLYPELEWDFRPLPLVKSINVSGH
KYGLVYAGIGWIWRNKEDLPEELIFHINYLGADQPTFTLNFSKGSSQVIAQYYQLIRLGHEGYRNVME
NCRENMIVLREGLEKTERFNIVSKDGVPLVAFSLKDSSCHTEFEISDMLRRYGWIVPAYTMPPNAQHI
TVLRVVIREDFSRTLAERLVIDIEKVRELDELPNSRVIIHKISLGQEKSNSDNLMVTVKKSDIDKQRD
IITGWKKFVADRKKTSGIC

SEQ 3: *Arabidopsis thaliana GAD2*

1 ctaaacagaa acaaagatgg ttttgacaaa aaccgcacacg aatgtatgttgc tggatgttgc
61 catgttgcga tctcgctatg ttgcactac acttcccaag tatgtatgttgc tggatgttgc
121 gataccgaaa gacgctgtatg atcgtatgttgc aaaaatgtatgttgc tggatgttgc
181 gaggcttaac ctatgttgc tttgtatgttgc atggatgttgc tggatgttgc tggatgttgc
241 catggactcttgc tggatgttgc tggatgttgc tggatgttgc tggatgttgc tggatgttgc
301 ccagaaccga tggatgttgc tggatgttgc tggatgttgc tggatgttgc tggatgttgc
361 gacggcggttggatgttgc tggatgttgc tggatgttgc tggatgttgc tggatgttgc tggatgttgc
421 cttcaaaaaga aatggcaga acaaaccgaa ggctgagggttggatgttgc tggatgttgc tggatgttgc
481 cttatgttgc tggatgttgc tggatgttgc tggatgttgc tggatgttgc tggatgttgc tggatgttgc
541 ggagctaaatgttgc tggatgttgc tggatgttgc tggatgttgc tggatgttgc tggatgttgc tggatgttgc
601 agaaatgttgc tggatgttgc tggatgttgc tggatgttgc tggatgttgc tggatgttgc tggatgttgc
661 tggatgttgc tggatgttgc tggatgttgc tggatgttgc tggatgttgc tggatgttgc tggatgttgc
721 tggatgttgc tggatgttgc tggatgttgc tggatgttgc tggatgttgc tggatgttgc tggatgttgc
781 tggatgttgc tggatgttgc tggatgttgc tggatgttgc tggatgttgc tggatgttgc tggatgttgc

841 caagtatgga ctggcttatg ctggattgg ttgggtcggt tggagggcag cagaggattt
 901 gcctgaagag cttatcttc atattaatta tcttggtgt gatcaaccca cttdactt
 961 caatttctcc aaggatcgaa gccaaattat tgctcaatac taccagctca ttctgtttgg
 1021 attcgagggg tacaaaaatg tgatggagaa ttgcatacgag aacatggtgg ttctcaaaga
 1081 agggatagag aaaacagagc gttcaacat agtctcaaag gaccaaggag tgccagtcgt
 1141 agccttcctc ctaaggacc atagttcca caacgagttc gagatctcg agatgctacg
 1201 tcgtttggc tggatcggtt cagcttacac tatgcctgcc gatgcacagc acatcacgg
 1261 tctgcgtgtt gtcatacggtt aagatttctc aagaacactc gcggagagac ttgttgctga
 1321 tatttcaag gtgcgtcatg agcttagatac cttgccttcc aagatatacta agaagatggg
 1381 aatagaaggg atcgcggaaa atgtaaagga gaagaagatg gagaaggaga ttctgtatgga
 1441 agttattgtt ggtggagga agtttgttggaa ggagaggaag aagatgaatg gtgtgtctt
 1501 agcaagtgtt ttgccttgcgtt gttggaaatgaa agaggtactt gcgaggactt tgcgtttatc
 1561 agtttatgtt tttgtatatac tatttgcgtt agtattatg gattatatac gcttgaaact
 1621 catttaaagc cattgttattt gaacgtttaaaactttt attat

SEQ 4: Arabidopsis thaliana GAD2

MVLTKTATNDESVCMTFGSRYVRTTLPKYEIGENSIPKDAAYQIIKDELMDGNPRLNLASFVTTWMEP
 ECDKLIMDSINKYVDMDEYPVTTELQNRCVNIIARLFNAPLEESETAVGVGTVGSSEAIMLAGLAFKR
 KWQNKRKAEGKPYDKPNIVTGANQVCWEKFARYFEVELKEVNLSEGYVMDPDKAAEMVDENTICVAA
 ILGSTLNGEFEDVKRLNDLLVKNEETGWNTPIHVDAASGGFIAPFYIPELEDFRLPLVKSINVSGHK
 YGLVYAGIGWVVWRAAEDLPEELIFHINYLGADQPTFTLNFSKGSSQIIAQYYQLIRLGFEKYKNVMEN
 CIENMVVLKEGIEKTERFNIVSKDQGPVVAFLSKDHSHFHNFEISEMLRRFGWIVPAYTMPADAQHIT
 VLRVVIREDFSRTLAERLVADISKVLHELDLPSKISKMGIEGIAENVKEKKMEKEILMEVIVGWRKF
 VKERKKMNGVC

SEQ 5: Arabidopsis thaliana GAD3

ATGGTTTATCTAACAGACAGCTTCAAATCCGATGATTCAATCCATTCAACTTTGCTTCCGTTATGTC
 CGCAACTCTATCTCACGGTAAGAAGTTGAAACACAATTATTTATTGTTAATGTTTCAATTGTTTCAATTGTTA
 GAGTTCTAAAACCTAGCCTAGACGACGATAACACAGCATCTGATTCTAGATTCAATATTATTACAGAA
 ATATTATTTTAATATACGATATAGTCCAGATTAAATTGTTGGGTACATAAGAAAGAAATACTAGAT
 TCTAACGAAATTAAACCCTTGCACTGAAAGATCCGAGCATAATGTTGTTACTATATAAGAGGTATT
 CTTTTTAATCTAACGTTAAATATCAATTTCATCAGATTGAAACTACCTAACGATCGATCCCTA
 AGGAAGCAGCATACCAAATCATCAACGACGAGCTCAAGTTGACGGTAACCCGAGGCTAAACCTGGCCT
 CCTTGTGACCCTGGATGGAGGCCAGAATGTGACAAGCTCATGATGGAATCCATCAACAAGAACACG
 TTGAGATGGACCAATACCTGTTACCAACCGACCTTCAGAATCGATGCGTTAACATGATTGCGCGTCTCT
 TCAACCGCCTTGGTAGGTGACGGTAAGCCGACATTGGTGTGGCACGGTGGGTATCGGAGGCAGTGA
 TGTTGGCCGGACTGGCTTTAACGAGACAGTGGCAGAACAGCTAACGGCCCTAGGGCTGCCTTATGATA
 GACCTAATATTGTAACCGGAGCCAATATTGAGTAAACAAAAACAAAAATTGATTAATTTAAACCGG
 TTTAGGTCTATGTTACATTGACTCAATTCCGGTTCAATACAGGTTGCTTGGAGAAATTGCAAGGT
 ATTTGAAAGTGGAGCTTAAGGAAGTGAAGCTGAGAGAAGGATATTACGTGATGGACCTGACAAAGCGG
 TTGAAATGGTAGACGAAACACTATATGCGTCGTGGCATCCTCGGTTGACACTAACGGAGAATTG
 AAGACGTTAACGCTCTAACGACCTTTAGTCGAGAAAACAAGAAAACCGGGTAATTGAATCAAAC
 AACTAACAAATTAAATTATACCTTGCCTAGAAATTACAATTCTAACGTGAGATATATTGCT
 TAGAAATATTGAAATGAAATAAAATTAAACAAAACACATATATGTTACATT
 ATATGCTCCTGTATCGAATGGTTAACACTGATTAAAAATGTTGCTTAAATATAACAA
 TTTATAATGTGAGATATTCAAGCATTCTAATATCAAACCGATAAAACAACAAACTGATTATTAAATT
 ATTTAACCGGTTGGTCCGGTTAACATATTGAGTGGGATACGCCGATTACGTGGACGCAGCGA
 GTGGTGGGTTATTGCTCCCTCTGTATCGGACTTGGAGTGGGATTCCGGTTACCGTTGGTTAAGA
 GCATAAATGTGAGTGGTCACAAATACGGTTGGTTACGCCGTATCGGTTGGGTGATGGAGAACCA
 AAACCGATTGCCTGATGAACCTATCTCCATATCAATTATCTTGGAGCTGATCAACCCACATTACCC
 TCAACTCTCTAAAGGTACATTACCATATCTTGTAAAGTTAGATATATTATAGATTAATGTTTG
 TTAATTCTGTATATTACCAAGGGTCAAGTCAAGTGATTGCTCAGTACTACCAAGTGATTGCTTGGAT
 TCGAGGTTAAATAACTCAATAAGAAACTAAACGTTACTAAATCCAATCGTATACGTACTAGTATA
 ATATACAAGTTGTTACTATACTTTATGACTACAAAAGTTCAAAACCAAGAATGTAACAAATACATTCCA
 TAAGATTAAACGTTCTAAATTGACAAGTTGGTTGTAGAATAGCTAATAATCTTTGGTT

100086852 - T020707

TAGGGATATCGAACGTGATGGATAATTGCCGGAGAACATGATGGTACTAAGACAAGGATTAGAGAAA
ACGGGACGTTTAACATCGTCTCAAAGAAAACGGTGTCCGTTAGTGGCCTTCCTCTCAAAGATAGT
AGCCGCCACAACGAGTTCGAGGTGGCCAAATGCTTCGTCGCTCGGCTGGATCGTCCGGCCTACACG
ATGCCTCGGGATGCGAACATGTCACGGTCCTCGAGTTGTTATCCGAGAAGATTTCTCTCGAACCTTA
GCTGAGAGATTGGTAGCCGATTCGAGAAGGTTCTACACGAGCTCGATACGCTCCCGCAGGGGTTCAC
GCCAAGAGATGGCTAGTGGAAAAGTTAACGGTGTAAAGAAGACGCCAGAGGAGACGCCAAAGAGAAGTCACG
GCCTACTGGAAGAAGTTGTGGACACTAAGACTGACAAGAACGGCCTCCGTTAGTAGCAAGTATTACC
AATCAATGA

SEQ 6: *Arabidopsis thaliana* GAD3

MVLSKTASKSDSIHSTFASRYVRNSISRFEIPKNSIPKEAAYQIINDELKFDGNPRLNLASFVTTWME
PECDKLMMESINKNNEVMDQYPVTTDLQNRCVNMIARLFNAPLGDEAAIGVGVGSSEAVMLAGLAFK
RQWQNKRKALGLPYDRPNIVTGANIQVCLEKFARYFEVELKEVVLREGYYVMDPKAVEMVDENTICVV
AILGSTLTGEFEDVKLLNDLLVEKNKKTGWDTPIHVDAASGGFIAPFLYDLEWDFRLPLVKSINVSGH
KYGLVYAGIGWVWRKTDLPELIFHINYLGADQPTFTLNFSKGSSQVIAQYYQLIRLGFEGRNVMD
NCRENMMVLRQGLEKTRGRFNIVSKENGVPVAFSLKDSSRHNFEFEAEMLRRFGWIVPAYTMPADAQHV
TVLRVVIREDFSRTLAERLVADFEKVLHELDLPLRVHAKMASGKVNGVKKTPEETQREVTAywKKFVD
TKTDKNGVPLVASITNQ

SEQ 7: *Arabidopsis thaliana* GAD4

ATGGTTTGTCTAACAGACTTCCGAATCTGATGTCTCAATCCATTCAACTTTGCTTCTCGTTACGTC
CGCAACTCTCTCCACGGTAACAACCTGTAACACAAATCTTTGTCTAATGTTTCTCGTCAACAATAGTA
ACATGTAATGATGTAACACCTGGATAGTTTTTTGGCCGTGGTTAATGTTGAGATTATTATGTG
TTATATACTATAAGGAAGGACATGTTCTGTTAATTAACCTAACATGATCATCATTCTCATCATTAGATT
GAAATGCCTGAGAACTCAATCCAAAAGAACGAGCTTACCAAATCATCAACGACGAGCTATGCTCGAT
GGTAACCCAAGGCTGAACCTAGCTCCTCGTACCATGGATGGAGCCAGAATGTGACAAGCTCATG
ATGGAGTCCATCAACAAGAACTACGTCGACATGGACGAGTACCCCTGTCACCACTGAGCTTCAGAACCGA
TGTGTTAACATGATAGCACGTCCTTCAACGCCGCTGGTGACGGTAAGCTGCCGTGGTGGC
ACCGTCGGATCGTCGGAGGGCATTATGTTGGCCGTTGGCTTTAACAGACAAATGGCAGAATAAGCGT
AAGGCCAAGGGCTCCTTATGATAAGCCAATATCGTAACCGGTGCTAATGTCAGGTAACCAAC
AAAAATTGATGAAATATTAACCAAGACAAAATTGAATTATCAATCCGGTTAACGTTATATGTGACTC
AATTCCGGTTCAATACAGGTTGCTGGAGAACATTGCAAGGTATTCGAAGTGGAGCTAACAGGAAGT
GAACCTAACAGAGAAAGACTATTACGTGATGGACCTGAAAGCGGTCGAAATGGTAGACGAAACACAAT
TTGTGCGCTGCCATCTCGTTCAACGTTAACCGGTGAATTGAAAGACGTTAACGCTCTCAACGACCT
CCTTGTGAGAAAACAAGCAAACGGGTAATTAAACCAAACCGAGAACAGCTAATATCGATTGTAA
TCGGTTGGAGTCCGGTTAACGTTCTAAAACACAATTGCAAGTGGACACGCCAACACGTGGAC
GCAGCGAGTGGGGTTATTGCTCCGTTCTGTATCCGGAGCTGGAGTGGGATTCCGGCTACCGTTG
GTTAAGAGTTAAATGTGAGTGGTCACAAATACGGTTGGTTACGCCGTTATTGGTTGGGTTGTATGG
AGAACCAAAACGATTGCTGATGAACCTATCTCCATATCAATTATCTGGCGTGTACACCAACC
TTTACACTCAACTCTCCAAAGGTACATTACCATAGTCATAACATATATAACTTCAATAATATT
TGGTGTATGGAATTGTTTATGACTAACACATTGATAATGCTGTATAAACCAAGGTTCAAGTCAGTG
ATTGCTCAGTACTACCAGCTGATTCGTCTGGATTGAGGAAATAACTCAAATAGCAATATATT
TACCAAATGGTCAATAAGAAACTAGAATGTATTATTTAACGTTACTTGTACTATACTTTGAAT
TAAACGTTCTAACATGACTAGTTGGTATTGTAAATTAAATGTTTCTGTGTTAGGGT
TATCGCAATGTGATGGATAATTGTCGGAAAACATGATGGTACTAACAGACAAGGATTAGAGAAAACGGGA
CGTTTAAATCGTCTCCAAAGAAAACGGTGTCCGTTAGTGGCGTTCTCTCAAAGATAGTAGCCGC
CACAACGAGTTGAGGTGGCCCATACACTCCGTCGCTCGGCTGGATCGTCCGGCCTACACGATGCCT
GCGGATGCGCAGCATGTCAGTGTCTCGAGTTGTTATCCGAGAACATTCTCTCGAACCTAGCGAG
AGATTGGTAGCTGATTGAGAACGGTTCTACACGAGCTCGATACGCTCCGGCAGGGTTACGCCAAG
ATGGCTAACGGAAAAGTTAACGGTGTAAAGAAGACGCCAGAGGAGACGCCAGAGAGAACGTCACGGCCTAC
TGGAGAACAGTTGAGACTAACAGAACACAAGAACACAATTGCTAA

SEQ 8: *Arabidopsis thaliana* GAD4

MVLSKTVSESDVIHSTFASRYVRNSLPRFEMPENSIPKEAAYQIINDELMLDGNPRLNLASFVTTWME
PECDKLMMESINKNYVDMDEYPVTTELQNRCVNMIARLFNAPLGDEAAIGVGVGSSEAIMLAGLAFK
RQWQNKRKAQGLPYDKPNIVTGANVQVCEKFARYFEVELKEVNLREDYVMDPVKAVEMVDENTICVA
AILGSTLTGEFEDVKLLNDLLVEKNKQTGWDTPIHVDAASGGFIAPFLYDLEWDFRLPLVKSINVSGH
KYGLVYAGIGWVWRKTDLPELIFHINYLGADQPTFTLNFSKGSSQVIAQYYQLIRLGFEGRNVMD

TOXOTTE™ 2000

NCRENMVLRQGLEKTGRFKIVSKENGVPLVAFLSKDSSRHNEFEVAHTLRRFGWIVPAYTMPADAQHV
TVLRRVVIREDFSRTLAERLVADFEKVLHELDLPARVHAKMANGKVNGVKTPETQREVTAYWKKLE
TKKTNKNTIC

SEQ 9: *Arabidopsis thaliana* GAD5

ATGGTACTCGCAACCAACTCTGACTCCGACGAGCATTGCATTCCACTTTGCTCTAGATATGTCCGT
GCTGTTGTTCCAGGTTCCAGAGACTTTGCCTCATTTAGTTTTAATCTTGATGCTACATTGTT
ATATATTAATTATTTATGTATCTGTTGCATATATTGAAACAGGTTCAAGATGCCGACCATTGCATG
CCCAAAGATGCTGCTTATCAAGTGAATGATGAGTTGATGCTGTTGTAATCCCAGGCTAACCTA
GCCTCCTTGTCAACCCTGGATGGAACCTGAGTGTGACAAACTCATCATGGATCTGTCATAAAGAAC
TATGTTGATATGGATGAATATCCTGTCACCACTGAGCTCCAGGTTCCCTCTCATTCATTCTCT
CTCTCATCTACTTCCACTGTTGTCATAGACTACATCATCTTTATCTGGCTTATTTCAGAACCG
GTGTGTAATGATGAACTTGTCCATGCTCCGGTTGGAGAACGAGCAGGCTGCTATTGGGTGTGG
AACTGTTGGTTCATCTGAGGCTATAATGCTTGTGGTTGGCTTCAAAAGGAAATGGCAACATAGGAG
AAAAGCTCAGGGTCTACCTATTGATAAGCCTAACATTGTCACTGGAGGCAATGTCAGGTCTAAATAT
TTACTTATTCTATCCTCAAACCATCACATTGCTTGGATAGTGTGATCTTCCAAATATCAAT
ACATTTCAACTTGTTCATCCGCTCAGGTGTGCTGGGAGAACGAGTTGCAAGGTAATTGAGGTAGAG
CTCAAAGAGGTGAAACTAAGTGAAGACTACTATGTTATGGATCCAGCTAAAGCTGTAGAGATGGTGGAT
GAGAATACCATCTGTTGAGCAATTCTAGGATCCACACTTACTGGAGAGTTGAGGACGTTAACCAA
TTGAACGATCTTAGCTGAGAAAAACGCAGAGACAGGATGGGAAACTCCTATTGATGTCAGGCC
AGTGGAGGATTCTAGCTCTTCCCTACCCCTGATCTGAAATGGACTTTAGGCTTCCATGGGTGAAG
AGTATTAACGTCAGTGGTCACAAGTATGGACTTGTGTATGCAAGGAGTTGGTGGGTCTGGAGAACAA
AAAGATGATTGCCCAGAGGAACCTGTCTTCCACATCAACTACTTGGGAGCTGATCAACCCACTTCACT
CTCAACTCTCAAAGGTTGTAAAATAAAACGGCTTATCCAATCAAATCCATCATCACATTCC
TTAAGAAACTCAATGTTCTTTGAGGGTCCAGGCAAATCATTGTCAGTACTATCAGTTATCCGA
CTAGGCTTGAGGTACTTGTCCCTTATCTGCATTACAGTTCATTTTTCATCTGCTTAATCTAATG
ATTCTTTGGAAACTGGAAAGGGATACAAGAACATAATGGAAAATGCACTGGATAACGCAAGGAGGC
TAAGAGAAGGAATAGAGATGACAGGGAAAGTTCAACATTGTCAGGAGATATTGGCGTGCCTAGTGG
CATTCTCTCTCAAAGACAGTAGCAAGCACAGGTTGAGATGCAAGGAGTCTTGAGAAAATTGGGT
GGATCATACCGCTTACACTATGCCTGCAGATGCACAGCACATTGCTGCTCAGAGTTGTGATAAGAG
AAGACTTTAGCCAGGGCTTGCAGATAGACTCATCACACATATCATTAGGTGCTGAAAGAGATTGAAG
GGCTCCTAGCAGGATTGCACATCTGCTGGCTGCAGCGGTTAGGGTGTGATGAAGAAGTTAAAG
TGAAGACTGCAAGATGTCCTGGAGGATATCAACTAAGTATTGGAAACGCCCTGTGGAACACAAGAGAA
ATATTGTCGCTAA

SEQ 10: *Arabidopsis thaliana* GAD5

MVLATNSDSDEHLHSTFASRYVRAVVPFRKMPDHCPMPKDAAYQVINDELMLDGPNRLNLASFVTTWMEP
ECDKLIMDSVNKNYVDMDEYPVTTTELQNRCVNMIAFLFHAPVGEDEAAIGCGTGSSEAIMLAGLAFKR
KWQHRRKAQGLPIDKPNIVTGANVQVCWEKFARYFEVELKEVVLSEDYVMDPAKAVEMVDENTICVAA
ILGSTLTGEFEDVKQLNDLLAEKNAETGWETPIHVDAASGGFIAPFLYPDLEWDFRLPWVKSINVSGHK
YGLVYAGVGWVVWRKTDDLPEELVFHINYLGADQPTFTLNFSKGSSQIIAQYYQFIRLGFEKYKNIMEN
CMDNARRLREGIEMTGFNIVSKDIGVPLVAFLSKDSSKHTVFEIAESLRKFGWIIPAYTMPADAQHIA
VLRVVIREDFSRGLADRLITHIIQVLKEIEGLPSRIAHLAAAASVGDDEEVVKVTAKMSLEDITKYWK
RLVEHKRNIVC

SEQ 11: Tobacco *NtGAD1*

1 aaaatatctc cattttctcc cttgttttag tctctgatct tctccgtcgt actaccacca
61 ctacgcgcc atggttctgt ccaagacagc gtcggaaagt gacgtctcca tccactccac
121 tttcgttcc cgatatgtt gtacttctt tccgaggtt aagatgccag agaattcgat
181 accaaaggaa gcagcatatc aaatcataaa tgatgagctt atgtagatg gaaaatccaag
241 actaaattta gcatttttg tgacaacatg gatggaacca gagtgtaca aactgatgat
301 ggattccatt aacaagaatt acgttgacat ggtgaaatac cctgtaaacc ctgaacttca
361 gaatcgatgt gtaaacatga tagctcattt gtttaacgc ccaactggag atggagagac
421 tgcagttga gttggactg ttggatcctc tgaggctatt atgcttgctg gattagctt
481 caagagaaaa tggcaaaata aaatgaaagc ccaaggcaag ccctgtgaca agcccaatat
541 tgtcactggt gccaatgtcc aggtgtttg ggagaaattt gcaaggattt ttgaagtgg
601 gctaaaggaa gtaaaagtga gtgatggata ctatgtatg gaccctgaga aagctgtgg
661 aatggtgat gagaacacaa tttgtgtac tgctatctt ggttcccacac tcaatgggt

TOXOEE 2689000

721 atttgaagat gttaaagcgct tgaatgacact cttgatttag aagaacaaaag aaaccgggtg
781 ggacactcca attcatgtgg atgcagcaag tggatttgcattt attgcacccat tcctttatcc
841 agagcttgcgaa tggacttta gattgcattt ggtgaagagt ataaacgtga gtggtcacaa
901 atatggctt gtttatgcg gtattggttt ggccatttgg aggaataagg aagacttacc
961 tgacgaactt atcttccaca ttaattatct tggtgctgat caacctactt tcactctcaa
1021 cttctctaaa ggttctagcc aagtaattgc tcaatattac caacttattc gcttgggtt
1081 tgagggttac aagaatgtt tggagaattt tcaagaaaaat gcaagggtac taagagaagg
1141 acttggaaaaa agttggaaat tcaacataat atccaaagaaa attggagttc cattagtagc
1201 tttctctctt aaagacaaca gtcaacacaa tgagttcgaa atttctgaaa ctcttagaag
1261 atttggatgg attattcctg catatactat gccaccaaat gctcaacatg tcacagtct
1321 cagagttgtc attagagaag atttctccc tacactcgcc gagcgactgg taatagacat
1381 tggaaaaatgc ctccacgagc tagacacact tccggcgagg gtcaacgcta agctagccgt
1441 ggccgaggcg aatggcagcg gcgtgcataa gaaaacagat agagaagtgc agcttgagat
1501 tactactgca tggaaagaaat ttgttgctga taagaagaag aagactaacg gagtttgta
1561 atttaattta acaaaatatg tttataatta atatgatgat ttataactac tagcagtgt
1621 actgcttgg tttatattt aattttggg ttttttgagt atgaggagct agctatttat
1681 tgcttagtgcgaa atattttgggg aaaaaa

SEQ 12: Tobacco *NtGAD1*

MVL SKTASESDVSIHSTFASRYVRTSLPRFKMPENSIPKEAAYQI INDELMLDGPNRPLNLASFVTTWME
PECNKLMMDSINKNYVDMDEYPVTTTELQNRCVNMIHLFNAPLGDGETAVGVGTVGSSEAIMLAGLAFK
RKWQNKMKAQGKPCDKPNIVTGANVQCVWEKFARYFEVELKEVKLSGDYYVMDPEKAVEMVDENTICVA
AILGSTLNGEFEDVKRLNDLLIEKNKETGWDTPIHVDAASGGFIAPFLYPELEWDFRLPLVKSINVSGH
KYGLVYAGIGWAIWRNKEDLPDELIFHINYLGADQPTFTLNFSKGSSQVIAQYYQLIRLGFEKYKNVME
NCQENARVLREGGLEKSGRFNIISKEIGVPLVAFSLKDNSQHNEFEISETLRRFGWIIPAYTMPPNAQHV
TVLRVVIREDFSRTLAERLVIDIEKVLHELDTLPARVNAKLAVAEEANGSGVHKKTREVQLEITTAWKK
FVADKKKTNNGVC

SEQ 13: Tobacco *NtGAD2*

1 tattttcatt ttctctccctg ttttaatttc tgatcttctc cgctgtacta ccaccactac
61 gccgccatgg ttctgtccaa gacagcgctg gaaaagtgcg tctccgttca ctccactttc
121 gcctcccgat atgttgcac ttctcttccc aggtttaaaaa tgccagagaa ttcaataccaa
181 aaggaagcag catatcagat tataatgtat gagctttagt tagatggaaa tccaggcata
241 aatttagcat ct当地cgat aacatggat gagccagaat gtaatacgtt aatgtggat
301 tccattaaaca agaactacgt tgacatggat gaataccctg taaccactga gtttcagaat
361 cgatgtgtaa atatgtatgc tcattttttt aatgcaccac ttggagatgg agagactgca
421 gttggagttt ggactgttgg atcctctgaa gctattatgc ttgctggatt agcctttaag
481 agaaaatggc aaaataaaaat gaaagccaa ggcaagccct ttgataagcc caatattgtc
541 accgggtgcta atgtccaggt gtgttggag aaatttgcaa ggtatggat aatggagtt
601 aaagaagtaa aatttgatgtgaa tggataactat gtgtatggacc ctgagaaagc tggaaatg
661 gtggatgaga ataccattt gtttgcgtat atcttaggtt caacactcaa tggtaattt
721 gaagatgtt aacgtttgaa tgacctttt attgagaaga acaaaagaaac cgggtgggac
781 actccaaattt atgtggatgc agcaagtggt ggattttattt caccattccct ttatccagag
841 cttgaatggg acttttagatt gccattggag aagagtatta atgtgatgtt tcacaaatatt
901 ggtcttgcgtat atgtggat tggatggcc atttggagga ataaggaaga cttgcctgat
961 gaacttattt tccacatcaa ttaccttgcgtat gctgatcaac ctactttcac tctcaacttc
1021 tctaaagggtt ct当地caatgaaat tattaccaac ttattcgctt gggtttttag
1081 ggttacaaga atgttgcgtat gaaattgtcaa gaaaatgcgaa gggtatggaa agaaggaaatt
1141 gaaaaaaatgcgaa gaaatgtcaa cataatctcc aaagaaattt ggttccctt agtagcatt
1201 tctctttaaaatgaaacaaatgtca acacaatgtt gttcggatattt ctgaaactct tagaagatt
1261 ggatggattt ttctggcata tactatgcca ccaaatgctc aacatgtcac agttctcaga
1321 gttgtcatta gagaagattt ctcccgacatactggac gactgttaat agacattgaa
1381 aaagtcttcc acggagtttgcgacacttccg gcgagggtca acgctaaatgct agccgtggcc
1441 gagggcgaatg gcacggcgatg gcataagaaa acagatagag aatgtcagat agagattact
1501 actgcattgtt tgaaatttttgcgtatgtt gaaatggatgaa aagaagaaga ctaatggatgat ttgttaattt
1561 aatttaacaa aaaaaaaaaatgttataatgtt gtttgcgtatgtt aactactacg agtcgtactg
1621 ctgtttttt atatttgatgtt gtttgcgtatgtt gtttgcgtatgtt aactactacg agtcgtactg
1681 gcttagtgcgaa aattttgggg actacttttttgcgtatgtt aatggatgat ttataatccaa
1741 aattaaacga tattttatcat aaaaaaaaaa a

TOXOCTT-25986007

SEQ 14: Tobacco NtGAD2

MVLSKTASESDVS VHSTFASRYVRTSLPRFKMPENSIPKEAAYQIINDELMDGNPRLNLASFVTTWME
PECNTLMMDSINKNYVDMDEYPVTTELQNRCVNMIAHLFNAPLDGETAVGVGTVGSSEAIMLAGLAFK
RKWQNKMKAQGKPFDPNIVTGANQVCWEKFARYFEVELKEVKLSDGYVMDPEKAVEMVDENTICVA
AILGSTLNGEFEDVKRLNDLLIEKNKETGWDTPIHVDAASGGFIAPFLYPELEWDFRPLPLEKSINVSGH
KYGLVYAGIGWAIWRNKEDLPDELIFHINYLGADQPTFTLNFSKGSSQVIAQYYQLIRLGFEKYKNVME
NCQENARVLREGIEKSGRFNIISKEIGVPLVAFSLKDNSQHNEFEISETLRRFGWIVLAYTMPPNAQHV
TVLRVVIREDFSRTLAERLVIDIEKVFHGVDTLPARVNAKLAVAEEANGSEVHKKTREVQLEITTAWLK
FVADKKKTNNGVC

SEQ 15: Petunia GAD

1 aaagagtaca aactaatatc cactaaatt gtatttctcc attttcttc tttatattgt
61 ctgtcataac aatggttcta tcaaagacag tgtcgcagag cgatgtgtcc attcaactcca
121 cgtttgcctc tcgatatgtt cgaacctctc ttcccaggtt taaaatgcca gataattcga
181 taccaaaaaga agcagcatat cagatcataa atgatgaact gatgttagat ggaaacccaa
241 ggctgaactt ggcttctttt gttacaacat ggatggaacc agagtgtat aagttgtat
301 tggactctat taacaagaac tatgttgata tggatgaata tcctgttacc actgagcttc
361 agaatcgatg tgtaaacatg atagctcatt tgtttaatgc accactgaa gatggagaaa
421 ctgcagttgg agttgaaact gttggatcct ctgaagccat tatgcttgct ggatttagctt
481 tcaagagaaa atggcagaac aaaatgaaag cccaaggcaa accctgtgac aagcccaaca
541 ttgttactgg tgcaaatgtc caggtgtgct gggagaaaatt tgcaaggtat tttgaagtgg
601 agctaaagga agtaaagctt agtgaaggat actatgtat ggcacctgag aaagctgtgg
661 agatggtgga tggaaaacacc atttggtagt ctgctatctt aggttccacc ctcaatggag
721 aatttgaaga cttaagcgc ttgaatgatc tcttggtcga gaagaacaaa gaaaccgggt
781 gggacactcc aattcatgtg gatgcagcaa gtggtgatt tattgcaccg ttcatttacc
841 cagagcttga gtgggacttt agattgcccattatgtgatgag cattaatgtt agtggtcaca
901 aatatggtct tgcctatgtt ggtattgggtt gggtcgtttt gaggaacaag atgatttgc
961 ctgtatgaaact tattttccac attaattatc ttggtgctga tcaacactt ttcaactctca
1021 acttttctaa aggttcttagc caagatattt ctcaatattt ccaacttattt cgcttgggtt
1081 atgagggtta caagaatgtt atggagaatt gtcaagaaaaa tgcatcggtt ctaagagaag
1141 ggcttagaaaaa gacaggaaga ttcaacataa tctccaaaga aattggagta ctttttagtag
1201 cattctcttct taaagacaac aggcaacaca acgatgtcgat gatttctgaa actttaagga
1261 gatttgggtt gatttgcctt gcatataacta tgccacaaaaa cgcacaacac attacagttc
1321 tcagagttgt gatcagagaa gatttctccc gtacgcttgc agaacgactg gtaagagaca
1381 tcgaaaaaagt ctttcatgaa cttgacacac tccctgcac tgcgtcaatgtt aagctcgctg
1441 tggccgagga gcaggcggct gcaatggca gcgagggtgca taagaaaaaca gatagcgaag
1501 tgcagttggat gatgataact gcatggaaaga agtttggatgaa agaaaaagaag aagaagacta
1561 atcgagtttgc ttaattatattt atattatgtt ttataatatg atgaatatgg ctattatcat
1621 tggtaactgc ttgttagtat attagctgtt attatcacca atatgagttt ggtttcttg
1681 attttggatctt tttcgtact tgaaaagttt ttattgtat tgtaaaaattt tactttttaa
1741 ctattttggat tattaatgcc aattttcttag tgtacttaat aaaaaa

SEQ 16: Petunia GAD

MVLSKTVSQSDVSIHSTFASRYVRTSLPRFKMPDNSIPKEAAYQIINDELMDGNPRLNLASFVTTWME
PECDKLMMDSINKNYVDMDEYPVTTELQNRCVNMIAHLFNAPLEDGETAVGVGTVGSSEAIMLAGLAFK
RKWQNKMKAQGKPCDKPNIVTGANQVCWEKFARYFEVELKEVKLSEGYVMDPEKAVEMVDENTICVA
AILGSTLNGEFEDVKRLNDLLVEKNKETGWDTPIHVDAASGGFIAPFLYPELEWDFRPLVKSINVSGH
KYGLVYAGIGWVVWRNKDDLPDELIFHINYLGADQPTFTLNFSKGSSQVIAQYYQLIRLGFEKYKNVME
NCQENASVLRREGLEKTGRFNIISKEIGVPLVAFSLKDNRQHNEFEISETLRRFGWIVPAYTMPPNAQHV
TVLRVVIREDFSRTLAERLVRDIEKVLHELDTLPARVNAKLAVAEEQAAANGSEVHKKTREVQLEMIT
AWKKFVEEKKKKTNRVC

SEQ 17: Tomato GAD

第10章第1節

1 aaaaaatggt gttaacaacg acgtcgataa gagattcaga agagagcttg cactgtacat
61 ttgcataaag atatgtacag gaacctttac ctaagttcaa aatgcctaaa aaatccatgc
121 cgaaaagaagc agcttatcag attgtaaacg acgagcttat gttggatggt aaccggcagg
181 tgaatttagc ttcccttggc agcacatgga tggagccccga gtgcgataag ctcataatgt
241 catccattaa taaaaactat gtcgacatgg atgagttatcc tgtcaccact gaacttcaa
301 atagatgtgt taacatgtta gcacatctt tccatgcccc ggttggatgat gatgagactg
361 cagttggagt tggcacatgg gttcatcag aggcaataat gcttgcttgc ctggcttca
421 aacgc当地 acaatcgaaa agaaaagcag aaggcaaaacc ttgcataag cctaataatag
481 tcactggagc taatgtgcag gtctgctggg aaaaatttgc aaggatttt gaggtttagt
541 tgaaggaggt gaaactaaaaa gaaggataact atgtatggaa ccctgccaaa gcagtagaga
601 tagtggatga gaatacataa tggatgtgcg caatccctgg ttctactctg actggggaggt
661 ttgaggatgt gaagctccta aacgagctcc ttacaaaaaa gaacaaggaa accggatggg
721 agacaccgat tcatgtcgat gctgcgagtg gaggatttat tgctccttgc ctctggccag
781 atcttgaatg ggattccgt ttgcctctt tgaaaaagtat aatgtcagc ggtcacaagt
841 atggccctgt atatgtcggt gtcgggtggg tgatatggcg gagcaaggaa gacttgcgg
901 atgaactcgat ctttcatata aactacctt ggtctgatca gcctacttt actctcaact
961 tctctaaagg ttccatcaa ataattgcac agtattatca gttataaaga cttggcttgc
1021 agggttataaa gaacgtcatg aagaattgt tatcaaacgc aaaagtacta acagagggaa
1081 tcacaaaaat gggggcggttc gatattgtct ctaaggatgt ggggtgttcc tttgttagcat
1141 tttctctcg ggcacagcgc aaatatacgg tatttgaagt atctgagcat ctcagaagat
1201 ttggatggat cgtccctgca tacacaatgc cacggatgc tgaacacatt gctgtactgc
1261 ggggtgtcat tagagaggat ttcagccaca gcctagctga gagacttgc tctgacattg
1321 agaaaattct gtcagagttg gacacacagc ctcctcgat gcccacccaa gctgtccgtg
1381 tcactgctga ggaagtgcgt gatgacaagg gtatgggct tcatcattt cacatggata
1441 ctgttagagac tcagaaaagac attatcaaac attggggaa aatcgccagg aagaagacc
1501 gcggagatctg ctaggtctgg ccacacttgt tatctggct cccgcttccat cgccatcctg
1561 tagtatgtat tacgtgtgtt gttccatct tatgtatgtactgatgttatc aatctgtgtat
1621 aatgc当地 tgcataatggc tctgtatatg ctaaaaatgc ttggtagt aactgtgttatc
1681 aagtattttat gtatgaatca atccggcat aattggtaga atgc当地 tgcgtcatct
1741 ttgaatttca cgtgc当地 tatttgaat ctacacccat tat

SEQ 18: Tomato GAD

MVLTTTSIRDSEESLHCTFASRYVQEPLPKFKMPKKSMPKEAAQIVNDLMDGNPRLNLASFVSTWM
EPECDKLIMSSINKNYVDMDEYPVTTELQNRCVNMLAHLFHAPVGDDETAVGVGTVGSSEAIMLAGLAF
KRKWQSKRKAEGKPFDPNIVTGANQVCWEKFARYFEVELKEVKLKEGYVMDPAKAVEIVDENTICV
AAILGSTLTGEFEDVKLLNELLTKKNKETGWETPIHVDAASGGFIAPFLWPDLWEWDFRPLPVKSINVSG
HKYGLVYAGVGWVIWRSKEDLPDELVFHINYLGSDQPTFTLNFSKGSYQIIAQYYQLIRLGFEGYKNVM
KNCLSNALKVLEGITKMGRFDIVSKDVGPVVAFSLRDSSKYTVFEVSEHLLRRFGWIVPAYTMPPDAEH
IAVLRVVIREDFSHSLAERLVSDIEKILSELDTQPPRLPTKAVRTAEEVRDDKGDGHLHHFHMDTVETQ
KDIKHWRKIAGKKTSGVC

1) *Arabidopsis thaliana* ecotype Columbia glutamate decarboxylase 1 (GAD1) cDNA

Note: This is nucleic acid SEQ #1 and amino acid SEQ #2

A) LOCUS ATU10034
ACCESSION U10034
VERSION U10034.1 GI:497978
REFERENCE

AUTHORS Arazi,T., Baum,G., Snedden,W.A., Shelp,B.J. and Fromm,H.
 TITLE Molecular and biochemical analysis of calmodulin interactions with
 the calmodulin-binding domain of plant glutamate decarboxylase
 JOURNAL Plant Physiol. 108 (2), 551-561 (1995)

1. From Arabidopsis genome sequencing project chromosome 5 (ACC# AB005238)
 LOCUS BAB10520
 DEFINITION glutamate decarboxylase 1 (GAD 1) (*Arabidopsis thaliana*)
 ACCESSION BAB10520
 PID g10177078
 VERSION BAB10520.1 GI:10177078
 REFERENCE 1 (sites)
 AUTHORS Sato,S., Kotani,H., Nakamura,Y., Kaneko,T., Asamizu,E.,
 Fukami,M., Miyajima,N. and Tabata,S.
 TITLE Structural analysis of *Arabidopsis thaliana* chromosome 5. I.
 Sequence features of the 1.6 Mb regions covered by twenty physically
 assigned P1 clones
 JOURNAL DNA Res. 4 (3), 215-230 (1997)

2) *Arabidopsis thaliana* ecotype Columbia glutamate decarboxylase 2 (GAD2) cDNA

Note: This is nucleic acid SEQ #3 and amino acid SEQ #4

- A) LOCUS ATU46665
 ACCESSION U46665
 VERSION U46665.1 GI:1184959
 REFERENCE
 AUTHORS Turano,F.J. and Fang,T.K.
 TITLE Characterization of two glutamate decarboxylase cDNA clones from
Arabidopsis
 JOURNAL Plant Physiol. 117 (4), 1411-1421 (1998)
- B) LOCUS ATU49937
 ACCESSION U49937
 VERSION U49937.1 GI:1236618
 REFERENCE
 AUTHORS Zik,M., Arazi,T., Snedden,W.A. and Fromm,H.
 TITLE Two isoforms of glutamate decarboxylase in *Arabidopsis* a
 regulated by calcium/calmodulin and differ in organ distribution
 JOURNAL Plant Mol. Biol. 37 (6), 967-975 (1998)
- C) From Arabidopsis genome sequencing project
 ACCESSION #AC009513
 Part of chromosome # 1
 note="Identical to gblU46665 glutamate decarboxylase 2 (GAD 2)
Arabidopsis thaliana. and ESTs gblW43856, gblN37724,
 gblZ34642 and gblR90491 come from this gene."
 /protein_id="AAF06056.1"
 /db_xref="GI:6227020"

3) *Arabidopsis thaliana* ecotype Columbia putative glutamate decarboxylase (putative GAD3) DNA From Arabidopsis genome sequencing project

Note: This is nucleic acid SEQ #5 and amino acid SEQ #6

ACCESSION #AC006532

Part of chromosome #2

/product="putative glutamate decarboxylase"

/protein_id="AAD20093.1"

/db_xref="GI:4406783"

4) *Arabidopsis thaliana* ecotype Columbia putative glutamate decarboxylase (putative GAD4) DNA From Arabidopsis genome sequencing project

Note: This is nucleic acid SEQ #7 and amino acid SEQ #8

ACCESSION #AC006532

Part of chromosome #2

/product="putative glutamate decarboxylase"

/protein_id="AAD20099.1"

/db_xref="GI:4406789"

5) *Arabidopsis thaliana* ecotype Columbia putative glutamate decarboxylase (putative GAD5) DNA From Arabidopsis genome sequencing project

Note: This is nucleic acid SEQ #9 and amino acid SEQ #10

ACCESSION #AB026646

Part of chromosome #3

/evidence=not_experimental

/product="glutamate decarboxylase"

/protein_id="BAB02870.1"

/db_xref="GI:9294589"

6) Tobacco (*Nicotiana tabacum*) glutamate decarboxylase isozyme 1 (NtGAD1) cDNA

Note: This is nucleic acid SEQ #11 and amino acid SEQ #12

A) LOCUS AF020425

ACCESSION AF020425

VERSION AF020425.1 GI:3252855

REFERENCE

AUTHORS Yun,S.J. and Oh,S.H.

TITLE Cloning and characterization of a tobacco cDNA encoding calcium/calmodulin-dependent glutamate decarboxylase

JOURNAL Mol. Cells 8 (2), 125-129 (1998)

ACCESSION NUMBER

B) LOCUS NTU54774
ACCESSION U54774
VERSION U54774.1 GI:1777920
REFERENCE
AUTHORS Dharmasiri,M.A.N., Lu,Y.T. and Harrington,H.M.
TITLE Cloning and sequencing of a tobacco cDNA encoding glutamate decarboxylase
JOURNAL Unpublished

7) Tobacco (*Nicotiana tabacum*) glutamate decarboxylase isozyme 2 (NtGAD2) cDNA

Note: This is nucleic acid SEQ #13 and amino acid SEQ #14

LOCUS AF020424
ACCESSION AF020424
VERSION AF020424.1 GI:3252853
REFERENCE 1 (bases 1 to 1771)
AUTHORS Yun,S.J. and Oh,S.H.
TITLE Cloning and characterization of a tobacco cDNA encoding calcium/calmodulin-dependent glutamate decarboxylase
JOURNAL Mol. Cells 8 (2), 125-129 (1998)

8) Petunia (*Petunia hybrida*) glutamate decarboxylase cDNA

Note: This is nucleic acid SEQ #15 and amino acid SEQ #16

2. LOCUS PETGADX
ACCESSION # L16797
VERSION # L16797.1 GI:294111
KEYWORDS glutamate decarboxylase.
REFERENCE
AUTHORS Baum,G., Chen,Y., Arazi,T., Takatsuji,H. and Fromm,H.
TITLE A plant glutamate decarboxylase containing a calmodulin binding domain: cloning, sequence, and functional analysis
JOURNAL J. Biol. Chem. 268, 19610-19617 (1993)

B) LOCUS PETGLUDECA
ACCESSION L16977
VERSION L16977.1 GI:309679
REFERENCE
AUTHORS Baum,G., Chen,Y., Arazi,T., Takatsuji,H. and Fromm,H.
TITLE A plant glutamate decarboxylase containing a calmodulin-binding domain: cloning sequence and functional analysis
JOURNAL J. Biol. Chem. (1993)

9) Tomato (*Lycopersicon esculentum*) glutamate decarboxylase-like protein LEGDL cDNA

Note: This is nucleic acid SEQ #17 and amino acid SEQ #18

ACCESSION X80840

VERSION X80840.1 GI:993002

REFERENCE

AUTHORS Gallego,P.P., Whotton,L., Picton,S., Grierson,D. and Gray,J.E.

TITLE A role for glutamate decarboxylase during tomato ripening: the characterization of a cDNA encoding a putative glutamate decarboxylase with a calmodulin-binding site

JOURNAL Plant Mol. Biol. 27 (6), 1143-1151 (1995)

10006852 110704